

## **ABSTRACT**

5           A reel or spool package has opposing sidewalls or flanges formed  
of the specified or appropriate substrate and connected by a core formed of a  
flowable material which sets or cures to harden, such as a two part expandable  
polyurethane foam. The foam is applied into a partition, which may be a paper  
ring, by an injection and metering device. The chemistry of the flowable material  
10 may be altered to change density, rigidity and flexibility as required by package  
stresses. The polyurethane foam is an effective adhesive medium, thereby  
forming the core and connecting the sidewalls to form the package.